



US009510916B2

(12) **United States Patent**
Voillat

(10) **Patent No.:** **US 9,510,916 B2**
(45) **Date of Patent:** **Dec. 6, 2016**

(54) **SURGICAL SYSTEM, IN PARTICULAR
DENTAL SURGICAL SYSTEM**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 46 days.

(21) Appl. No.: **14/406,887**

(22) PCT Filed: **Jun. 6, 2013**

(86) PCT No.: **PCT/EP2013/061740**
§ 371 (c)(1),
(2) Date: **Dec. 10, 2014**

(87) PCT Pub. No.: **WO2013/186123**
PCT Pub. Date: **Dec. 19, 2013**

(65) **Prior Publication Data**
US 2015/0125815 A1 May 7, 2015

(30) **Foreign Application Priority Data**
Jun. 11, 2012 (CH) 814/12

(51) **Int. Cl.**
A61C 1/06 (2006.01)
A61C 1/00 (2006.01)
(Continued)

(52) **U.S. Cl.**
CPC **A61C 1/0015** (2013.01); **A61B 17/1626**
(2013.01); **A61C 1/003** (2013.01); **A61C 1/06**
(2013.01); **A61C 1/088** (2013.01)

(58) **Field of Classification Search**
CPC **A61C 1/003**; **A61C 1/06**; **A61C 1/088**;
A61C 1/0015; **A61B 17/1626**
See application file for complete search history.

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(57) **ABSTRACT**

Surgical system, in particular a dental system including a surgical instrument, in particular a dental instrument and a device for controlling the electronic instrument. The device for controlling the electronic instrument includes a first electronic module. The instrument includes a rotary motor for driving the tool and a second electronic module. The rotary motor of the instrument is electrically powered by the first electronic module of the control device through the first electrical conductors dedicated to supply the rotary motor. The instrument is powered and/or electrically controlled by the first electronic module of the control device only through the second electrical conductors distinct from the first electrical conductors. The system also includes a management module of the second electrical conductors for sending on the second electrical conductors a number of signals larger to a number of second electrical conductors.

15 Claims, 13 Drawing Sheets

